



PTO/SB/01 (08-03)

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**DECLARATION FOR UTILITY OR  
DESIGN  
PATENT APPLICATION  
(37 CFR 1.63)**Declaration  
Submitted  
With Initial  
Filing

OR

Declaration  
Submitted after Initial  
Filing (surcharge  
(37 CFR 1.16 (e))  
required)

Attorney Docket Number 11321-P057US

First Named Inventor Yakobson, et al.

COMPLETE IF KNOWN

Application Number To Be Assigned

Filing Date November 19, 2003

Art Unit Unknown

Examiner Name Unknown

I hereby declare that:

Each inventor's residence, mailing address, and citizenship are as stated below next to their name.

I believe the inventor(s) named below to be the original and first inventor(s) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

**A High-Yield Method of Endohedrally Encapsulating Species Inside Fluorinated Fullerene Nanocages**

(Title of the Invention)

the specification of which



is attached hereto

OR



was filed on (MM/DD/YYYY)

November 19, 2003

as United States Application Number or PCT International

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(if applicable).

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Prior Foreign Application Number(s)	Country	Foreign Filing Date (MM/DD/YYYY)	Priority Not Claimed	Certified Copy Attached?	
				Yes	No
N/A			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
				<input type="checkbox"/>	<input type="checkbox"/>
				<input type="checkbox"/>	<input type="checkbox"/>
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☒ Additional foreign application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto.

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Name Ross Spencer Garsson / Winstead Sechrest & Minick P.C.					
Address 1201 Main Street, P.O. Box 50784					
City Dallas		State TX		ZIP 77250-0784	
Country US		Telephone 512-474-2870		Fax 512-474-2850	
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NAME OF SOLE OR FIRST INVENTOR:			<input type="checkbox"/> A petition has been filed for this unsigned inventor		
Given Name (first and middle [if any]) Boris I.			Family Name or Surname Yakobson		
Inventor's Signature <i>B. Yakobson</i>			Date 07-15-2004		
Residence: City Houston		State TX		Country US	
Citizenship US					
Mailing Address 2006 Quenby Road					
City Houston		State TX		ZIP 77005	
Country US					
NAME OF SECOND INVENTOR:			<input type="checkbox"/> A petition has been filed for this unsigned inventor		
Given Name (first and middle [if any]) Pavel V.			Family Name or Surname Avramov		
Inventor's Signature			Date		
Residence: City Houston		State TX		Country US	
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Mailing Address 2630 Bissonnet, No. 48					
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<input checked="" type="checkbox"/> Additional Inventors or a legal representative are being named on the 1 supplemental sheet(s) PTO/SB/02A or 02LR attached hereto.					



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Given Name (first and middle (if any))		Family Name or Surname	
John L.		Margrave	
Inventor's Signature		Date	
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4511 Verone Mailing Address		US Citizenship	
Mailing Address			
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Peter J.		Boul	
Inventor's Signature		Date	
Strasbourg Residence: City	State	FR Country	UK Citizenship
University of Louis Pasteur, ISIS/ULP-CNRS UMR 7006, Laboratoire de Chimie Supramoléculaire			
Mailing Address			
8, allée Gaspard Monge			
Mailing Address			
Strasbourg City	State	F-67083 Zip	FR Country
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Chad B.		Huffman	
Inventor's Signature		Date	
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6500 South Main			
Mailing Address			
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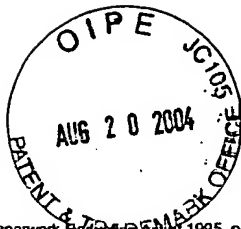
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Inventor's Signature <i>Mary Lou Margrave</i>		Date <i>04-26-04</i>	
Bellaire	TX	US	US
Residence: City	State	Country	Citizenship
4511 Verone			
Mailing Address			
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<b>Name of Additional Joint Inventor, if any:</b>		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle (if any))		Family Name or Surname	
Edward T.		Mickelson	
Inventor's Signature		Date	
Pearland	TX	US	US
Residence: City	State	Country	Citizenship
3214 Worthington Dr.			
Mailing Address			
Mailing Address			
Pearland	TX	77584	US
City	State	Zip	Country
<b>Name of Additional Joint Inventor, if any:</b>		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle (if any))		Family Name or Surname	
Robert H.		Hauge	
Inventor's Signature		Date	
Houston	TX	US	US
Residence: City	State	Country	Citizenship
4031 Tumbery Circle			
Mailing Address			
Mailing Address			
Houston	TX	77025	US
City	State	Zip	Country

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If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

<b>DECLARATION</b>	<b>ADDITIONAL INVENTOR(S)</b> Supplemental Sheet <div style="text-align: right;">Page <u>2</u> of <u>2</u></div>
--------------------	--

Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle (if any))		Family Name or Surname	
Peter J.		Boul	
Inventor's Signature		Date	
Strasbourg Residence: City	State	FR Country	UK Citizenship
University of Louis Pasteur, ISIS/ULP-CNRS UMR 7006, Laboratoire de Chimie Supramoléculaire			
Mailing Address			
8, allée Gaspard Monge			
Mailing Address			
Strasbourg City	State	F-67083 Zip	FR Country
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle (if any))		Family Name or Surname	
Chad B.		Huffman	
Inventor's Signature		Date	
Houston Residence: City	TX State	US Country	US Citizenship
6500 South Main			
Mailing Address			
Mailing Address			
Houston City	TX State	77030 Zip	US Country
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle (if any))		Family Name or Surname	
Richard E.		Smalley	
Inventor's Signature		Date	
Houston Residence: City	TX State	US Country	US Citizenship
1816 Bolsover			
Mailing Address			
Mailing Address			
Houston City	TX State	77005 Zip	US Country

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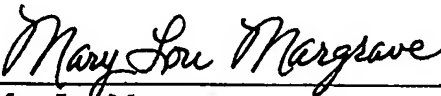
If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

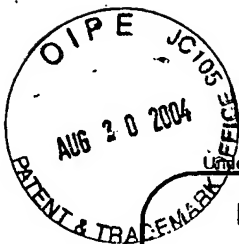
**SUPPLEMENTAL DECLARATION UNDER 37 C.F.R. § 1.42  
FOR SIGNING BY LEGAL REPRESENTATIVE ON  
BEHALF OF DECEASED INVENTOR**

I, Mary Lou Margrave, hereby declare that I am a citizen of the United States, residing at 4511 Verone, Bellaire, Texas 77041. I further declare that I have reason to believe that I will be appointed legal representative of John L. Margrave, my husband, who passed away on December 18, 2003, as I am named as executrix in his will. Upon information and belief, I aver those facts that he is required to state in order to apply for a patent or allowance of any patent application in which he is listed as an inventor. Further, it is my understanding that all patents and patent applications in which John L. Margrave is listed as an inventor are to be assigned to Rice University, his employer since 1963, pursuant to the Rice University Policy.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true, and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under §1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Date: April 26, 2004

  
\_\_\_\_\_  
Mary Lou Margrave  
Legal Representative of John L. Margrave



Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

**DECLARATION FOR UTILITY OR  
DESIGN  
PATENT APPLICATION  
(37 CFR 1.63)**Declaration  
Submitted  
With Initial  
Filing

OR

Declaration  
Submitted after Initial  
Filing (surcharge  
(37 CFR 1.16 (e))  
required)

Attorney Docket Number

11321-P057US

First Named Inventor

Yakobson, et al.

COMPLETE IF KNOWN

Application Number

To Be Assigned

Filing Date

November 19, 2003

Art Unit

Unknown

Examiner Name

Unknown

**I hereby declare that:**

Each inventor's residence, mailing address, and citizenship are as stated below next to their name.

I believe the inventor(s) named below to be the original and first inventor(s) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

**A High-Yield Method of Endohedrally Encapsulating Species Inside Fluorinated Fullerene Nanocages**

(Title of the Invention)

the specification of which



is attached hereto

OR



was filed on (MM/DD/YYYY)

November 19, 2003

as United States Application Number or PCT International

Application Number

and was amended on (MM/DD/YYYY)

(if applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment specifically referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or (f), or 365(b) of any foreign application(s) for patent, inventor's or plant breeder's rights certificate(s), or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent, inventor's or plant breeder's rights certificate(s), or any PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application Number(s)	Country	Foreign Filing Date (MM/DD/YYYY)	Priority Not Claimed	Certified Copy Attached?	
				Yes	No
N/A			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

☐ Additional foreign application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto.

[Page 1 of 2]

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## DECLARATION — Utility or Design Patent Application

Direct all correspondence to: ☐ Customer Number:  OR ☒ Correspondence address below

Name

Ross Spencer Garsson / Winstead Sechrest & Minick P.C.

Address

1201 Main Street, P.O. Box 50784

City

Dallas

State

TX

ZIP

77250-0784

Country

US

Telephone

512-474-2870

Fax

512-474-2850

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

NAME OF SOLE OR FIRST INVENTOR:



A petition has been filed for this unsigned inventor

Given Name

(first and middle [if any]) Boris I.

Family Name

or Surname Yakobson

Inventor's

Signature

Date

Residence: City

Houston

State

TX

Country

US

Citizenship

US

Mailing Address

2006 Quenby Road

City

Houston

State

TX

ZIP

77005

Country

US

NAME OF SECOND INVENTOR:



A petition has been filed for this unsigned inventor

Given Name

(first and middle [if any]) Pavel V.

Family Name

or Surname Avramov

Inventor's

Signature

Date

Residence: City

Houston

State

TX

Country

US

Citizenship

RU

Mailing Address

2630 Bissonnet, No. 48

City

Houston

State

TX

ZIP

77005

Country

US



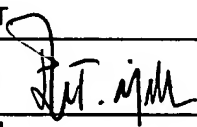
Additional inventors or a legal representative are being named on the 1 supplemental sheet(s) PTO/SB/02A or 02LR attached hereto.



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**DECLARATION****ADDITIONAL INVENTOR(S)**  
Supplemental Sheet

Page 1 of 2

<b>Name of Additional Joint Inventor, if any:</b>		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle (if any))		Family Name or Surname	
John L.		Margrave	
Inventor's Signature		Date	
Belaire Residence: City	TX State	US Country	US Citizenship
4511 Verone Mailing Address			
Mailing Address			
Bellaire City	TX State	77401 Zip	US Country
<b>Name of Additional Joint Inventor, if any:</b>		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle (if any))		Family Name or Surname	
Edward T.		Mickelson	
Inventor's Signature 		Date 4-May-04	
Pearland Residence: City	TX State	US Country	US Citizenship
3214 Worthington Dr. Mailing Address			
Mailing Address			
Pearland City	TX State	77584 Zip	US Country
<b>Name of Additional Joint Inventor, if any:</b>		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle (if any))		Family Name or Surname	
Robert H.		Hauge	
Inventor's Signature		Date	
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**DECLARATION****ADDITIONAL INVENTOR(S)**  
Supplemental SheetPage 2 of 2

<b>Name of Additional Joint Inventor, if any:</b>		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle (if any))		Family Name or Surname	
Peter J.		Boul	
Inventor's Signature		Date	
Strasbourg Residence: City	State	FR Country	UK Citizenship
University of Louis Pasteur, ISIS/ULP-CNRS UMR 7006, Laboratoire de Chimie Supramoléculaire Mailing Address			
8, allée Gaspard Monge Mailing Address			
Strasbourg City	State	F-67083 Zip	FR Country
<b>Name of Additional Joint Inventor, if any:</b>		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle (if any))		Family Name or Surname	
Chad B.		Huffman	
Inventor's Signature		Date	
Houston Residence: City	TX State	US Country	US Citizenship
6500 South Main Mailing Address			
Mailing Address			
Houston City	TX State	77030 Zip	US Country
<b>Name of Additional Joint Inventor, if any:</b>		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle (if any))		Family Name or Surname	
Richard E.		Smalley	
Inventor's Signature		Date	
Houston Residence: City	TX State	US Country	US Citizenship
1816 Bolsover Mailing Address			
Mailing Address			
Houston City	TX State	77005 Zip	US Country

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PTO/SB/01 (08-03)

Approved for use through 07/31/2006. OMB 0851-0032  
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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**DECLARATION FOR UTILITY OR  
DESIGN  
PATENT APPLICATION  
(37 CFR 1.63)**Declaration  
Submitted  
With Initial  
Filing

OR

Declaration  
Submitted after Initial  
Filing (surcharge  
(37 CFR 1.16 (e))  
required)

Attorney Docket Number	11321-P057US
First Named Inventor	Yakobson, et al.
COMPLETE IF KNOWN	
Application Number	To Be Assigned
Filing Date	November 19, 2003
Art Unit	Unknown
Examiner Name	Unknown

I hereby declare that:

Each inventor's residence, mailing address, and citizenship are as stated below next to their name.

I believe the inventor(s) named below to be the original and first inventor(s) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

**A High-Yield Method of Endohedrally Encapsulating Species Inside Fluorinated Fullerene Nanocages**

(Title of the Invention)

the specification of which



is attached hereto

OR



was filed on (MM/DD/YYYY)

November 19, 2003

as United States Application Number or PCT International

Application Number

and was amended on (MM/DD/YYYY)

(if applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment specifically referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or (f), or 365(b) of any foreign application(s) for patent, inventor's or plant breeder's rights certificate(s), or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent, inventor's or plant breeder's rights certificate(s), or any PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application Number(s)	Country	Foreign Filing Date (MM/DD/YYYY)	Priority Not Claimed	Certified Copy Attached?	
				Yes	No
N/A			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

☒ Additional foreign application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto.

[Page 1 of 2]

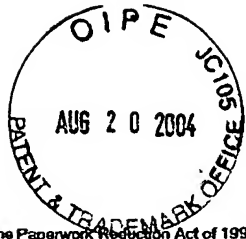
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## DECLARATION — Utility or Design Patent Application

Direct all correspondence to: <input type="checkbox"/> Customer Number: <input type="text"/>				OR <input checked="" type="checkbox"/> Correspondence address below	
Name Ross Spencer Garsson / Winstead Sechrest & Minick P.C.					
Address 1201 Main Street, P.O. Box 50784					
City Dallas		State TX		ZIP 77250-0784	
Country US		Telephone 512-474-2870		Fax 512-474-2850	
I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.					
NAME OF SOLE OR FIRST INVENTOR:				<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle [if any]) Boris I.				Family Name or Surname Yakobson	
Inventor's Signature				Date	
Residence: City Houston		State TX		Country US	
Citizenship US					
Mailing Address 2006 Quenby Road					
City Houston		State TX		ZIP 77005	
Country US					
NAME OF SECOND INVENTOR:				<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle [if any]) Pavel V.				Family Name or Surname Avramov	
Inventor's Signature				Date	
Residence: City Houston		State TX		Country US	
Citizenship RU					
Mailing Address 2630 Bissonnet, No. 48					
City Houston		State TX		ZIP 77005	
Country US					
<input checked="" type="checkbox"/> Additional inventors or a legal representative are being named on the 1 supplemental sheet(s) PTO/SB/02A or 02LR attached hereto.					



PTO/SB/02A (08-03)

Approved for use through 08/31/2003. OMB 0651-0032

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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**DECLARATION****ADDITIONAL INVENTOR(S)**  
Supplemental Sheet

Page 1 of 2

<b>Name of Additional Joint Inventor, if any:</b>		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle (if any))		Family Name or Surname	
John L.		Margrave	
Inventor's Signature		Date	
Belaire Residence: City		TX State	US Country
4511 Verone Mailing Address		US Citizenship	
Mailing Address			
Bellaire City		TX State	77401 Zip
		US Country	
<b>Name of Additional Joint Inventor, if any:</b>		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle (if any))		Family Name or Surname	
Edward T.		Mickelson	
Inventor's Signature		Date	
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3214 Worthington Dr. Mailing Address		US Citizenship	
Mailing Address			
Pearland City		TX State	77584 Zip
		US Country	
<b>Name of Additional Joint Inventor, if any:</b>		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle (if any))		Family Name or Surname	
Robert H.		Hauga	
Inventor's Signature		Date	
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<b>DECLARATION</b>	<b>ADDITIONAL INVENTOR(S)</b> Supplemental Sheet <div style="text-align: right;">Page <u>2</u> of <u>2</u></div>
--------------------	--

Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle (if any))		Family Name or Surname	
Peter J.		Boul	
Inventor's Signature		Date	
Strasbourg Residence: City	State	FR Country	UK Citizenship
University of Louis Pasteur, ISIS/ULP-CNRS UMR 7006, Laboratoire de Chimie Supramoléculaire			
Mailing Address			
8, allée Gaspard Monge			
Mailing Address			
Strasbourg City	State	F-67083 Zip	FR Country
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle (if any))		Family Name or Surname	
Chad B.		Huffman	
Inventor's Signature		Date	
Houston Residence: City	TX State	US Country	US Citizenship
6500 South Main			
Mailing Address			
Mailing Address			
Houston City	TX State	77030 Zip	US Country
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle (if any))		Family Name or Surname	
Richard E.		Smalley	
Inventor's Signature		Date	
Houston Residence: City	TX State	US Country	US Citizenship
1816 Bolsover			
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If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.



PTO/SB/01 (08-03)  
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**DECLARATION FOR UTILITY OR  
DESIGN  
PATENT APPLICATION  
(37 CFR 1.63)**

☐ Declaration  
Submitted  
With Initial  
Filing

OR

☒ Declaration  
Submitted after Initial  
Filing (surcharge  
(37 CFR 1.16 (e))  
required)

Attorney Docket Number 11321-P057US

First Named Inventor Yakobson, et al.

COMPLETE IF KNOWN

Application Number To Be Assigned

Filing Date November 19, 2003

Art Unit Unknown

Examiner Name Unknown

I hereby declare that:

Each inventor's residence, mailing address, and citizenship are as stated below next to their name.

I believe the inventor(s) named below to be the original and first inventor(s) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

**A High-Yield Method of Endohedrally Encapsulating Species Inside Fluorinated Fullerene Nanocages**

(Title of the Invention)

the specification of which

☐ is attached hereto

OR

☒ was filed on (MM/DD/YYYY) November 19, 2003 as United States Application Number or PCT International

Application Number and was amended on (MM/DD/YYYY) (if applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment specifically referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or (f), or 365(b) of any foreign application(s) for patent, inventor's or plant breeder's rights certificate(s), or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent, inventor's or plant breeder's rights certificate(s), or any PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application Number(s)	Country	Foreign Filing Date (MM/DD/YYYY)	Priority Not Claimed	Certified Copy Attached?	
				Yes	No
N/A			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
				<input type="checkbox"/>	<input type="checkbox"/>
				<input type="checkbox"/>	<input type="checkbox"/>
				<input type="checkbox"/>	<input type="checkbox"/>

☐ Additional foreign application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto.

(Page 1 of 2)

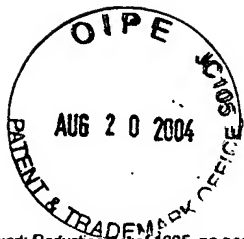
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## DECLARATION — Utility or Design Patent Application

Direct all correspondence to: <input type="checkbox"/> Customer Number: <input type="text"/>				OR <input checked="" type="checkbox"/> Correspondence address below	
Name Ross Spencer Garsson / Winstead Sechrest & Minick P.C.					
Address 1201 Main Street, P.O. Box 50784					
City Dallas		State TX		ZIP 77250-0784	
Country US		Telephone 512-474-2870		Fax 512-474-2850	
I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.					
NAME OF SOLE OR FIRST INVENTOR:				<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle [if any]) Boris I.				Family Name or Surname Yakobson	
Inventor's Signature				Date	
Residence: City Houston		State TX		Country US	
Citizenship US					
Mailing Address 2006 Quenby Road					
City Houston		State TX		ZIP 77005	
Country US					
NAME OF SECOND INVENTOR:				<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle [if any]) Pavel V.				Family Name or Surname Avramov	
Inventor's Signature				Date	
Residence: City Houston		State TX		Country US	
Citizenship RU					
Mailing Address 2630 Bissonnet, No. 48					
City Houston		State TX		ZIP 77005	
Country US					
<input checked="" type="checkbox"/> Additional inventors or a legal representative are being named on the 1 supplemental sheet(s) PTO/SB/02A or 02LR attached hereto.					



PTO/SB/02A (08-03)

Approved for use through 08/31/2003. OMB 0651-0032

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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**DECLARATION****ADDITIONAL INVENTOR(S)**  
Supplemental Sheet

Page 1 of 2

<b>Name of Additional Joint Inventor, if any:</b>		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle (if any))		Family Name or Surname	
John L.		Margrave	
Inventor's Signature		Date	
Belaire Residence: City	TX State	US Country	US Citizenship
4511 Verone Mailing Address			
Mailing Address			
Bellaire City	TX State	77401 Zip	US Country
<b>Name of Additional Joint Inventor, if any:</b>		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle (if any))		Family Name or Surname	
Edward T.		Mickelson	
Inventor's Signature		Date	
Pearland Residence: City		TX State	US Country
3214 Worthington Dr. Mailing Address		77584 Zip	US Country
Mailing Address			
Pearland City	TX State	77584 Zip	US Country
<b>Name of Additional Joint Inventor, if any:</b>		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle (if any))		Family Name or Surname	
Robert H.		Hauge	
Inventor's Signature		Date	
Houston Residence: City	TX State	US Country	US Citizenship
4031 Turnberry Circle Mailing Address			
Mailing Address			
Houston City	TX State	77025 Zip	US Country

This collection of information is required by 35 U.S.C. 115 and 37 CFR 1.63. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 21 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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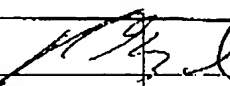




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## DECLARATION

ADDITIONAL INVENTOR(S)  
Supplemental Sheet

Page 2 of 2

Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle (if any))		Family Name or Surname	
Peter J.		Boul	
Inventor's Signature		Date	
		08-26-2004	
Strasbourg	State	FR	UK
Residence: City		Country	Citizenship
University of Louis Pasteur, ISIS/ULP-CNRS UMR 7006, Laboratoire de Chimie Supramoléculaire			
Mailing Address Université Louis Pasteur ISIS/ULP-CNRS UMR-7006, Laboratoire de chimie Supramoléculaire			
Strasbourg	State	F-67083	FR
City		Zip	Country
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle (if any))		Family Name or Surname	
Chad B.		Huffman	
Inventor's Signature		Date	
			
Houston	TX	US	US
Residence: City	State	Country	Citizenship
6400 South Main			
Mailing Address			
Mailing Address			
Houston	TX	77030	US
City	State	Zip	Country
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle (if any))		Family Name or Surname	
Richard E.		Smalley	
Inventor's Signature		Date	
			
Houston	TX	US	US
Residence: City	State	Country	Citizenship
1816 Dolsover			
Mailing Address			
Mailing Address			
Houston	TX	77005	US
City	State	Zip	Country

The collection of information is required by 35 U.S.C. 115 and 37 C.F.R. 1.45. The information is required to obtain or retain a benefit by the public which is in the (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 172 and 37 C.F.R. 1.14. This collection is estimated to take 25 minutes in completion, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450, DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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**DECLARATION FOR UTILITY OR  
DESIGN  
PATENT APPLICATION  
(37 CFR 1.63)**☐ Declaration  
Submitted  
With Initial  
Filing

OR

☒ Declaration  
Submitted after Initial  
Filing (surveys  
(37 CFR 1.18 (e))  
required)

Attorney Docket Number	11321-P057US
First Named Inventor	Yakobson, et al.
COMPLETE IF KNOWN	
Application Number	To Be Assigned
Filing Date	November 19, 2003
Art Unit	Unknown
Examiner Name	Unknown

**I hereby declare that:**

Each inventor's residence, mailing address, and citizenship are as stated below next to their name.

I believe the inventor(s) named below to be the original and first inventor(s) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

**A High-Yield Method of Endohedrally Encapsulating Species Inside Fluorinated Fullerene Nanocages**

(Title of the Invention)

the specification of which

☐ is attached hereto

OR

☒ was filed on (MM/DD/YYYY) **November 19, 2003** as United States Application Number or PCT InternationalApplication Number  and was amended on (MM/DD/YYYY)  (if applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment specifically referred to above.

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Prior Foreign Application Number(s)	Country	Foreign Filing Date (MM/DD/YYYY)	Priority Not Claimed	Certified Copy Attached?	
				Yes	No
N/A			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

☒ Additional foreign application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto.

[Page 1 of 2]

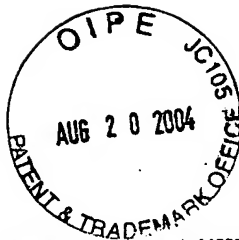
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## DECLARATION — Utility or Design Patent Application

Direct all correspondence to: <input type="checkbox"/> Customer Number: <input type="text"/>		OR <input checked="" type="checkbox"/> Correspondence address below	
Name Ross Spencer Garsson / Winstead Sochrest & Minick P.C.			
Address 1201 Main Street, P.O. Box 50784			
City Dallas		State TX	ZIP 77250-0784
Country US	Telephone 512-474-2870	Fax 512-474-2850	
I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.			
NAME OF SOLE OR FIRST INVENTOR:		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle (if any)) Boris I.		Family Name or Surname Yakobson	
Inventor's Signature			Date
Residence: City Houston	State TX	Country US	Citizenship US
Mailing Address 2006 Quanby Road			
City Houston	State TX	ZIP 77005	Country US
NAME OF SECOND INVENTOR:		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle (if any)) Pavel V.		Family Name or Surname Avramov	
Inventor's Signature			Date
Residence: City Houston	State TX	Country US	Citizenship RU
Mailing Address 2630 Bissonnet, No. 48			
City Houston	State TX	ZIP 77005	Country US
<input checked="" type="checkbox"/> Additional inventors or a legal representative are being named on the 1 supplemental sheet(s) PTO/SB/02A or 02LR attached hereto.			



PTO/SN/2A (08-03)

Approved for use through 04/31/2003. OMB 0851 0032

U.S. Patent and Trademark Office, U.S. DEPARTMENT OF COMMERCE

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<b>DECLARATION</b>	<b>ADDITIONAL INVENTOR(S)</b> Supplemental Sheet Page <u>1</u> of <u>2</u>
--------------------	--

Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle (if any))		Family Name or Surname	
John L.		Margrave	
Inventor's Signature		Date	
Bellaire Residence: City		TX State	US Country
4511 Verone Mailing Address			
Mailing Address			
Bellaire City		TX State	77401 Zip
US Country			
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle (if any))		Family Name or Surname	
Edward T.		Mickelson	
Inventor's Signature		Date	
Pearland Residence: City		TX State	US Country
3214 Worthington Dr. Mailing Address			
Mailing Address			
Pearland City		TX State	77584 Zip
US Country			
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle (if any))		Family Name or Surname	
Robert H.		Hauge	
Inventor's Signature		Date	
Houston Residence: City		TX State	US Country
4031 Turnberry Circle Mailing Address			
Mailing Address			
Houston City		TX State	77025 Zip
US Country			

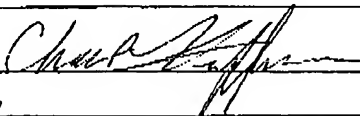
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**DECLARATION****ADDITIONAL INVENTOR(S)**  
Supplemental Sheet

Page 2 of 2

<b>Name of Additional Joint Inventor, if any:</b>		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle (if any))		Family Name or Surname	
Peter J.		Boul	
Inventor's Signature		Date	
Strasbourg Residence: City	State	FR Country	UK Citizenship
University of Louis Pasteur, ISIS/ULP-CNRS UMR 7006, Laboratoire de Chimie Supramoléculaire Mailing Address			
8, allée Gaspard Monge Mailing Address			
Strasbourg City	State	F-67083 Zip	FR Country
<b>Name of Additional Joint Inventor, if any:</b>		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle (if any))		Family Name or Surname	
Chad B.		Huffman	
Inventor's Signature 		Date 6/16/04	
Houston Residence: City	TX State	US Country	US Citizenship
6500 South Main Mailing Address			
Mailing Address			
Houston City	TX State	77030 Zip	US Country
<b>Name of Additional Joint Inventor, if any:</b>		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle (if any))		Family Name or Surname	
Richard E.		Smalley	
Inventor's Signature		Date	
Houston Residence: City	TX State	US Country	US Citizenship
1816 Bolcove Mailing Address			
Mailing Address			
Houston City	TX State	77005 Zip	US Country

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PTO/SB/01 (08-03)

Approved for use through 07/31/2006. OMB 0651-0032

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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**DECLARATION FOR UTILITY OR  
DESIGN  
PATENT APPLICATION  
(37 CFR 1.63)**



Declaration  
Submitted  
With Initial  
Filing

OR



Declaration  
Submitted after Initial  
Filing (surcharge  
(37 CFR 1.16 (e))  
required)

Attorney Docket Number

11321-P057US

First Named Inventor

Yakobson, et al.

COMPLETE IF KNOWN

Application Number

To Be Assigned

Filing Date

November 19, 2003

Art Unit

Unknown

Examiner Name

Unknown

I hereby declare that:

Each inventor's residence, mailing address, and citizenship are as stated below next to their name.

I believe the inventor(s) named below to be the original and first inventor(s) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

**A High-Yield Method of Endohedrally Encapsulating Species Inside Fluorinated Fullerene  
Nanocages**

(Title of the Invention)

the specification of which



is attached hereto

OR



was filed on (MM/DD/YYYY)

November 19, 2003

as United States Application Number or PCT International

Application Number

and was amended on (MM/DD/YYYY)

(if applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment specifically referred to above.

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I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or (f), or 365(b) of any foreign application(s) for patent, inventor's or plant breeder's rights certificate(s), or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent, inventor's or plant breeder's rights certificate(s), or any PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application Number(s)	Country	Foreign Filing Date (MM/DD/YYYY)	Priority Not Claimed	Certified Copy Attached?	
				Yes	No
N/A			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
				<input type="checkbox"/>	<input type="checkbox"/>
				<input type="checkbox"/>	<input type="checkbox"/>
				<input type="checkbox"/>	<input type="checkbox"/>

☒ Additional foreign application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto.

[Page 1 of 2]

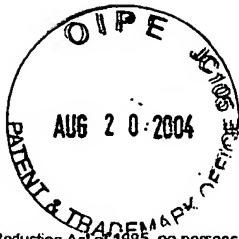
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## DECLARATION — Utility or Design Patent Application

Direct all correspondence to: <input type="checkbox"/> Customer Number: <input type="text"/>				OR <input checked="" type="checkbox"/> Correspondence address below	
Name Ross Spencer Garsson / Winstead Sechrest & Minick P.C.					
Address 1201 Main Street, P.O. Box 50784					
City Dallas		State TX		ZIP 77250-0784	
Country US		Telephone 512-474-2870		Fax 512-474-2850	
I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.					
NAME OF SOLE OR FIRST INVENTOR:			<input type="checkbox"/> A petition has been filed for this unsigned inventor		
Given Name (first and middle (if any)) Boris I.			Family Name or Surname Yakobson		
Inventor's Signature				Date	
Residence: City Houston		State TX		Country US	
Citizenship US					
Mailing Address 2006 Quenby Road					
City Houston		State TX		ZIP 77005	
Country US					
NAME OF SECOND INVENTOR:			<input type="checkbox"/> A petition has been filed for this unsigned inventor		
Given Name (first and middle (if any)) Pavel V.			Family Name or Surname Avramov		
Inventor's Signature				Date	
Residence: City Houston		State TX		Country US	
Citizenship RU					
Mailing Address 2630 Bissonnet, No. 48					
City Houston		State TX		ZIP 77005	
Country US					
<input checked="" type="checkbox"/> Additional inventors or a legal representative are being named on the 1 supplemental sheet(s) PTO/SB/02A or 02LR attached hereto.					



PTO/SB/02A (08-03)

Approved for use through 08/31/2003. OMB 0651-0032

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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**DECLARATION****ADDITIONAL INVENTOR(S)**

Supplemental Sheet

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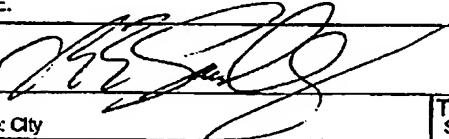
<b>Name of Additional Joint Inventor, if any:</b>		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle (if any))		Family Name or Surname	
John L.		Margrave	
Inventor's Signature		Date	
Belaire Residence: City		TX State	US Country
4511 Verone Mailing Address		US Citizenship	
Mailing Address			
Belaire City		TX State	77401 Zip
		US Country	
<b>Name of Additional Joint Inventor, if any:</b>		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle (if any))		Family Name or Surname	
Edward T.		Mickelson	
Inventor's Signature		Date	
Pearland Residence: City		TX State	US Country
3214 Worthington Dr. Mailing Address		US Citizenship	
Mailing Address			
Pearland City		TX State	77584 Zip
		US Country	
<b>Name of Additional Joint Inventor, if any:</b>		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle (if any))		Family Name or Surname	
Robert H.		Hauge	
Inventor's Signature		Date	
Houston Residence: City		TX State	US Country
4031 Turnberry Circle Mailing Address		US Citizenship	
Mailing Address			
Houston City		TX State	77025 Zip
		US Country	

This collection of information is required by 35 U.S.C. 115 and 37 CFR 1.63. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 21 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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<b>DECLARATION</b>	<b>ADDITIONAL INVENTOR(S)</b> Supplemental Sheet <div style="text-align: right;">Page <u>2</u> of <u>2</u></div>
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Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle (if any))		Family Name or Surname	
Peter J.		Boul	
Inventor's Signature		Date	
Strasbourg Residence: City	State	FR Country	UK Citizenship
University of Louis Pasteur, ISIS/ULP-CNRS UMR 7006, Laboratoire de Chimie Supramoléculaire			
Mailing Address			
8, allée Gaspard Monge			
Mailing Address			
Strasbourg City	State	F-67083 Zip	FR Country
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle (if any))		Family Name or Surname	
Chad B.		Huffman	
Inventor's Signature		Date	
Houston Residence: City	TX State	US Country	US Citizenship
6500 South Main			
Mailing Address			
Houston City	TX State	77030 Zip	US Country
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle (if any))		Family Name or Surname	
Richard E.		Smalley	
Inventor's Signature 		Date 7.28.04	
Houston Residence: City	TX State	US Country	US Citizenship
1816 Bolsover			
Mailing Address			
Houston City	TX State	77005 Zip	US Country

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